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09/889,016	10/15/2001	Mitsuyuki Hatanaka	275732US6PCT	4589

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EXAMINER
CHOWDHURY, NIGAR

ART UNIT	PAPER NUMBER
2484	

NOTIFICATION DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	09/889,016	HATANAKA ET AL.
	Examiner	Art Unit
	NIGAR CHOWDHURY	2484

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _07 October 2010_.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-10,12-15,17-30 and 39-66_ is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-10,12-15,17-30 and 39-66_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on _05 October 2001_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☒ All   b) ☐ Some * c) ☐ None of:

   1. ☒ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____.

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

1.   Applicant's arguments filed 10/7/10 have been fully considered but they are not persuasive.

2.   In re pages 19-21, applicant argues that Wu discloses a synchronization system that synchronizes database objects between a portable computer and desktop computer. Wu also describes that the portable computer includes a portable synchronization manager, which is responsible for coordinating synchronization of objects stored on the portable computer with objects on a base computer. Wu fails to teach that the desktop computer includes a graphical user interface (GUI) configured to receive an input selecting whether a subset of stored data is automatically transferred from the desktop computer to the portable computer, as recited in claims 1, 12, 22, 41.

        In response, the examiner respectfully disagrees. Wu discloses from col. 3 lines 60-col. 4 lines 6 that "….portable synchronization manager….is responsible for coordinating synchronization of objects stored on the portable computer with corresponding objects on base computer…..object can be a database or any other data structure capable of being synchronized between two computing devices and/or storage devices…..term "synchronization" refers to a process in which changes to one database are automatically reflected in one or more separately stored copies of the database….", col. 4 lines 47-50 that "…Applications 108 may include word processing applications, spreadsheet applications, contact manager applications, and game applications..", col. 6 lines 10-13 that "Base computer...typically contains multiple applications....may

include applications similar to applications 108 stored on portable computer.....", col. 7

lines 33-44 that "....user may enter commands and information into computer

....through input devices such as a keyboard...a pointing device....input devices....may

include a microphone, joystick, game pad, ...", col. 10 lines 57-col. 11 lines 6 that

"....during a typical synchronization process, data is exchanged between the two

computing devices being synchronized....data exchanged includes control information

that coordinates the synchronization process as well as the object data being

synchronized...." Wu discloses a synchronization system synchronizes objects between

a portable computer and a desktop computer, and a "synchronization" refers to a

process in which changes to one data base (i.e., base computer) are automatically

reflected in one or more separately stored copies of the database (i. e., portable

computer). The system provides for the communication of arbitrary data between the

portable computer and the desktop computer during a synchronization process. The

desktop computer requests communication of a particular set of data between the two

computers. The set of data is then communicated between the two computers as

requested during the synchronization process. Wu also discloses GUI configured to

receive an input selecting from an applications word processing applications,

spreadsheet applications, contact manager applications, or game application by the

user input device which may include a keyboard, a pointing device, joystick or a game

pad. Therefore, Wu meets the limitation of GUI by the different applications configured

to receive an input by the input device, selecting whether a subset of stored data is

automatically transferred by the synchronization process, from the desktop computer to the portable computer.

3.   In re page 22, applicant argues that Wu fails to disclose recorded content data is transferred while recording other content not yet recorded to the memory, as recited in claims 39 and 40.

In response, the examiner respectfully disagrees. Wu discloses transferring of the recorded plurality of pieces of content to the connected portable media player via the direct local connection for storage at the portable media player (please see paragraph 2 above). Wu also discloses from col. 5 lines 46-61 that "…communication between base computer…and portable computer….communication link…bidirectional communication link established to exchange data between portable computer…. and base computer…to synchronize objects between base computer….portable computer…..can also be used to download applications and other data from base computer….to portable computer….." Wu discloses synchronization between base computer and portable computer and different applications to download from base computer to portable computer. Wu also disclose transferring of the recorded plurality of pieces of content to the connected portable media player via local connection for storage at the portable media player while portable computer not yet recorded the synchronization content or applications. Therefore, Wu meets the limitation of other content by the content not recorded in the portable computer.

4.   Claims 5-7, 9-10, 14-15, 17, 19-21, 24-26, 28-30, 45-47, 49-50, 63-66 are

rejected for the same reason as discussed in the corresponding paragraphs 2-3 above.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by
another filed in the United States before the invention by the applicant for patent or (2) a patent
granted on an application for patent by another filed in the United States before the invention by the
applicant for patent, except that an international application filed under the treaty defined in section
351(a) shall have the effects for purposes of this subsection of an application filed in the United States
only if the international application designated the United States and was published under Article 21(2)
of such treaty in the English language.

5.   Claims 1-4, 8, 12, 13, 18, 22, 23, 27, 39-44, 48 are rejected under 35

U.S.C. 102(e) as being anticipated by US 6,442,570 by Wu.

6.   Regarding **claim 1**, a personal computer having a function to transfer a subset of

a plurality of pieces of content data to a portable media player connected to the

personal computer comprising:

- means for storing the plurality of pieces of content data to a storage

  medium (fig. 1-2, col. 3 lines 60-col. 4 lines 16, col. 5 lines 46-61, col. 10

  lines 57-col. 11 lines 20);

- means for receiving an input selecting whether the personal computer

  automatically transfers the subset of the plurality of pieces of content data

  stored in said storage medium to the portable media player via a direct

  local connection for storage at the portable media player (fig. 1-2, col. 3

  lines 60-col. 4 lines 16, col. 5 lines 46-61, col. 10 lines 57-col. 11 lines 20);

  and

- means for automatically transferring the subset of the plurality of pieces of content data stored in the storage medium to the connected portable media player via the direct local connection without regard to a user input designating the subset of the plurality of pieces of content data when the input received at the means for receiving an input is to automatically transfer the subset of the plurality of pieces of content data stored in said storage medium to the portable media player via the direct local connection for storage at the portable media player(fig. 1-2, col. 3 lines 60-col. 4 lines 16, col. 5 lines 46-61, col. 10 lines 57-col. 11 lines 20).

7.   Regarding **claim 2**, the personal computer, further comprising:

- means for reading the subset of the plurality of pieces of content data from a recording medium (fig. 1-2, col. 3 lines 60-col. 4 lines 16, col. 5 lines 46-61, col. 7 lines 8-44, col. 10 lines 57-col. 11 lines 20),

- wherein the means for storing stores the subset of the plurality of pieces of content data read from the recording medium (fig. 1-2, col. 3 lines 60-col. 4 lines 16, col. 5 lines 46-61, col. 7 lines 8-44, col. 10 lines 57-col. 11 lines 20).

8.   Regarding **claim 3**, the personal computer wherein the recording medium is an optical disc, and the means for reading reads the subset of the plurality of pieces of content data from the optical disc (col. 7 lines 8-44).

9.   Regarding **claim 4**, the personal computer wherein the recording medium is a

semiconductor memory, and the means for reading reads the subset of the plurality of

pieces of content data from the semiconductor memory (col. 7 lines 8-44).

10.   Regarding **claim 8**, the personal computer further comprising:

- means for receiving content data via a network (col. 5 lines 46-62),

- wherein the means for storing stores the received content data as the

  subset of the plurality of pieces of content data (col. 5 lines 46-62).

11.   **Claim 12** is rejected for the same reason as discussed in the corresponding

claim 1 above.

12.   **Claim 13** is rejected for the same reason as discussed in the corresponding

claim 2 above.

13.   **Claim 18** is rejected for the same reason as discussed in the corresponding

claim 8 above.

14.   **Claim 22** is rejected for the same reason as discussed in the corresponding

claim 1 above.

15.   **Claim 23** is rejected for the same reason as discussed in the corresponding

claim 2 above.

16.   **Claim 27** is rejected for the same reason as discussed in the corresponding

claim 8 above.

17.   **Claim 39** is rejected for the same reason as discussed in the corresponding

claim 1 above.

18.   **Claim 40** is rejected for the same reason as discussed in the corresponding

claim 1 above.

19.   **Claim 41** is rejected for the same reason as discussed in the corresponding

claim 1 above.

20.   **Claim 42** is rejected for the same reason as discussed in the corresponding

claim 2 above.

21.   **Claim 43** is rejected for the same reason as discussed in the corresponding

claim 3 above.

22.   **Claim 44** is rejected for the same reason as discussed in the corresponding

claim 4 above.

23.   **Claim 48** is rejected for the same reason as discussed in the corresponding

claim 8 above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

24.   Claims 5-7, 9-10, 14-15, 17, 19-21, 24-26, 28-30, 45-47, 49-50, 63-66 are
rejected under 35 U.S.C. 103(a) as being unpatentable over US 6,442,570 by Wu in
view of US Patent No.6,931,531 by Takahashi.

25.   Regarding **claim 5**, Wu discloses transferring the subset of the plurality of pieces
of content data stored in the storage medium to the connected portable media player
but fails to disclose the personal computer further comprising:

- means for encrypting, by a predetermined method, the subset of the
  plurality of pieces of content data read by the reading means,

- wherein the storage means for storing stores the encrypted subset of the
  plurality of pieces of content data to the storage medium.

Takahashi discloses the personal computer further comprising:

- means for encrypting, by a predetermined method, the subset of the
  plurality of pieces of content data read by the reading means (col. 9 lines
  52-col. 12 lines 28).,

- wherein the storage means for storing stores the encrypted subset of the
  plurality of pieces of content data to the storage medium. (col. 9 lines 52-
  col. 12 lines 28).

It would have been obvious to one of ordinary skill in the art at the time of
applicant's invention to modify the proposed Wu's system to include a encryption unit,
as taught by Takahashi, to store secure information in a storage medium.

26.   Regarding **claim 6**, Wu discloses transferring the subset of the plurality of pieces

of content data stored in the storage medium to the connected portable media player

but fails to disclose the apparatus personal computer further comprising

- means for compressing the subset of the plurality of pieces of content

  data read by the means for reading in a predetermined format file,

- wherein the means for storing stores the subset of the plurality of pieces of

  content data compressed by the means for compressing to the storage

  medium.

Takahashi discloses the apparatus personal computer further comprising

- means for compressing the subset of the plurality of pieces of content

  data read by the means for reading in a predetermined format file (col. 9

  lines 52-col. 12 lines 28),

- wherein the means for storing stores the subset of the plurality of pieces of

  content data compressed by the means for compressing to the storage

  medium (col. 9 lines 52-col. 12 lines 28).

It would have been obvious to one of ordinary skill in the art at the time of

applicant's invention to modify the proposed Wu's system to include a compression unit,

as taught by Takahashi, for storing more information in a storage medium as

compressed form.

27.   **Claim 7** is rejected for the same reason as discussed in the corresponding

claims 5 and 6 above.

28.   **Claim 9** is rejected for the same reason as discussed in the corresponding claim 5 above.

29.   **Claim 10** is rejected for the same reason as discussed in the corresponding claim 6 above.

30.   **Claim 14** is rejected for the same reason as discussed in the corresponding claim 5 above.

31.   **Claim 15** is rejected for the same reason as discussed in the corresponding claim 6 above.

32.   **Claim 17** is rejected for the same reason as discussed in the corresponding claim 7 above.

33.   **Claim 19** is rejected for the same reason as discussed in the corresponding claim 9 above.

34.   **Claim 20** is rejected for the same reason as discussed in the corresponding claim 10 above.

35.   **Claim 21** is rejected for the same reason as discussed in the corresponding claim 11 above.

36.   **Claim 24** is rejected for the same reason as discussed in the corresponding claim 5 above.

37.   **Claim 25** is rejected for the same reason as discussed in the corresponding claim 6 above.

38.   **Claim 26** is rejected for the same reason as discussed in the corresponding claim 7 above.

39.   **Claim 28** is rejected for the same reason as discussed in the corresponding claim 9 above.

40.   **Claim 29** is rejected for the same reason as discussed in the corresponding claim 10 above.

41.   **Claim 30** is rejected for the same reason as discussed in the corresponding claim 11 above.

42.   **Claim 45** is rejected for the same reason as discussed in the corresponding claim 5 above.

43.   **Claim 46** is rejected for the same reason as discussed in the corresponding claim 6 above.

44.   **Claim 47** is rejected for the same reason as discussed in the corresponding claim 5 above.

45.   **Claim 49** is rejected for the same reason as discussed in the corresponding claim 5 above.

46.   **Claim 50** is rejected for the same reason as discussed in the corresponding claim 6 above.

47.   **Claim 63** is rejected for the same reason as discussed in the corresponding claim 6 above.

48.   **Claim 64** is rejected for the same reason as discussed in the corresponding claim 6 above.

49.   **Claim 65** is rejected for the same reason as discussed in the corresponding claim 6 above.

50.   **Claim 66** is rejected for the same reason as discussed in the corresponding

claim 6 above.

51.   Claims 51-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over

US 6,442,570 by Wu

52.   Regarding **claim 51**, Wu discloses transferring the subset of the plurality of

pieces of content data stored in the storage medium to the connected portable media

player but fail to disclose the apparatus further comprising display means for displaying

a bar showing progress of storing the content data by the storage means

It is noted that the use of progress bar is old and well-known in the recording art.

Therefore, official notice is taken. Moreover, it would have been obvious to one having

ordinary skill in the art at the time the invention was made to have a well-known

progress bar which will make it easier and convenient for a viewer to understand.

53.   **Claim 52** is rejected for the same reason as discussed in the corresponding

claim 51 above.

54.   **Claim 53** is rejected for the same reason as discussed in the corresponding

claim 51 above.

55.   **Claim 54** is rejected for the same reason as discussed in the corresponding

claim 51 above.

56.   Regarding **claim 55**, Wu discloses transferring the subset of the plurality of pieces of content data stored in the storage medium to the connected portable media player but fail to disclose the information processing apparatus further comprising display means for displaying a bar in a color which shows progress of storing the content data and displaying another bar in another color which shows progress of transferring the content data stored in storage medium by the transferring means, wherein bar and the another bar are displayed so as to overlap each other

It is noted that the use of progress bar is old and well-known in the recording art. Therefore, official notice is taken. Moreover, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have a well-known progress bar in different colors to make it easier for a viewer to understand

57.   **Claim 56** is rejected for the same reason as discussed in the corresponding claim 55 above.

58.   **Claim 57** is rejected for the same reason as discussed in the corresponding claim 55 above.

59.   **Claim 58** is rejected for the same reason as discussed in the corresponding claim 55 above.

60.   **Claim 59** is rejected for the same reason as discussed in the corresponding claim 51 above.

61.   **Claim 60** is rejected for the same reason as discussed in the corresponding claim 51 above.

62.   **Claim 61** is rejected for the same reason as discussed in the corresponding

claim 51 above.

63.   **Claim 62** is rejected for the same reason as discussed in the corresponding

claim 51 above.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to NIGAR CHOWDHURY whose telephone number is

(571)272-8890. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NC
01/15/2011

/Thai Tran/
Supervisory Patent Examiner, Art Unit 2484